I. AMENDMENT TO THE CLAIMS

Please cancel claims 1-18 without prejudice or disclaimer. In addition, please add claims 19-68:

Claims 1-18 (Cancelled).

- 19. (Original) An apparatus adapted for mounting on a thorax of a patient, for assisting in the application of CPR to the patient, comprising:
 - (a) a means to protect the thorax of the patient mounted on the thorax including a means to stabilize a means for applying compressions;
 - (b) the means for applying compressions connected with the stabilizing means;
 - (c) a means for maintaining a compression force operably connected with the means for applying compressions;
 - (d) a dorsal or back strap having two ends connected around the thorax and to the means for applying compressions; and
 - (e) a means to expand the chest beyond a normal diastole relaxation position.
- 20. (Original) The apparatus according to claim 19 wherein said means to protect the thorax comprises a chest positioner or chest pad.
- 21. (Original) The apparatus according to claim 19 wherein said stabilizing means is a socket having a base and four sidewalls.
- 22. (Original) The apparatus according to claim 19 wherein said means to expand the chest comprises a recoil spring connected to the means for applying compressions and connected to the dorsal or back strap.
- 23. (Original) The apparatus according to claim 19 further including a means for applying abdomen compression to an abdomen of the body.
- 24. (Original) The apparatus according to claim 19 further including a connector attached between the means for applying compressions and the dorsal or back strap wherein the connector includes a means for indicating a tension of the dorsal or back strap.
- 25. (Original) The apparatus according to claim 19 wherein the means for applying compressions comprises a motor driven compression device.

- 26. (Original) The apparatus of claim 19 further comprising a means for maintaining a preferred stroke rate operably connected with the means for applying compressions.
- 27. (Original) An apparatus for assisting with the administration of CPR to a patient comprising:
 - (a) a chest positioner unit conformable to the shape of a patient's chest to position the apparatus on the sternum;
 - (b) a strap having two ends for wrapping around the chest;
 - (c) a chest compression device connected with the chest positioner unit, said device having arms connected with the device and extending laterally from each side of the device, each said arm having a first end pivotally connected with the device and a second end connected with one end of said strap; and
 - (d) a control assembly operably connected with the chest compression device to actuate the chest compression device to deliver chest compressions at a preferred force.
- 28. (Original) The apparatus of claim 27 wherein the chest positioner unit comprises:
 - (a) a sternal pad that rests on the sternum of the patient;
 - (b) a socket for connecting with the chest compression device; and
 - (c) an elastic sheet having dimensions larger than the sternal pad or the socket and mounted between the sternal pad and the socket.
- 29. (Original) The apparatus of claim. 27 wherein the chest positioner unit is radiolucent.
- 30. (Original) The apparatus of claim 27 wherein the chest positioner unit is electrically insulating.
- 31. (Original) The apparatus of claim 27 wherein the chest compression device is electrically actuated by the control assembly.
- 32. (Original) The apparatus of claim 27 wherein electrical actuation of the chest compression device moves the arms of the device from a rest position to an active position causing the strap wrapped around the chest of the patient to tighten and the chest compression device to apply a downward force to deliver an effective chest compression.
- 33. (Original) The apparatus of claim 27 wherein the chest compression device contains a pressure sensor.

- 34. (Original) The apparatus of claim 27 wherein the control assembly further actuates the chest compression device to deliver chest compressions at a preferred stroke rate.
- 35. (Original) The apparatus of claim 27 wherein the strap contains a rigid central section located at the back of the patient when the apparatus is employed.
- 36. (Original) The apparatus of claim 27 wherein the strap is connected with the chest compression device using tension-indicating hooks.
- 37. (Original) The apparatus of claim 27 further comprising a recoil spring for decompressing the chest beyond normal diastole position.
- 38. (Original) The apparatus of claim 37 wherein the recoil spring has a first end and a second end where the first end is connected with the rigid central section of the strap and the second end is connected with the chest compression device.
- 39. (Original) An apparatus for assisting with the administration of CPR to a patient comprising:
 - (a) a chest positioner unit conformable to the shape of a patient's chest to position the apparatus on the sternum;
 - (b) a strap having two ends for wrapping around the chest;
 - (c) a chest compression device connected with the chest positioner unit, said device having arms connected with the device and extending laterally from each side of the device, each said arm having a first end pivotally connected with the device and a second end connected with one end of said strap; and
 - (d) a control assembly operably connected with the chest compression device to actuate the chest compression device to deliver chest compressions at a preferred force and a preferred stroke rate.

wherein the force of said compressions is substantially downward into the chest.

- 40. (Original) An apparatus for administering CPR to a patient comprising:
 - (a) a chest device for resting on the chest of the patient;
 - (b) a chest compression device removably connected with the chest device; and
 - (c) a control assembly operably connected with the chest compression device to actuate the chest compression device to deliver chest compressions substantially downward into the chest at a preferred force and/or at a preferred stroke rate,

- wherein the chest compression device is fixed in position relative to the chest of the patient.
- 41. (Original) The apparatus of claim 40, wherein the chest compression device provides a force substantially perpendicular to the chest of the patient.
- 42. (Original) The apparatus of claim 40, wherein the chest compression device is electrically actuated.
- 43. (Original) The apparatus of claim 40, wherein the chest compression device is hydraulically actuated.
- 44. (Original) The apparatus of claim 40, wherein the chest compression device contains a pressure sensor.
- 45. (Original) The apparatus of claim 40, wherein the chest compression device is held in a fixed position relative to the chest of the patient with one or more straps.
- 46. (Original) The apparatus of claim 40, wherein the straps are wrapped around the patient.
- 47. (Original) The apparatus of claim 40, wherein the chest device is held in a fixed position relative to the chest of the patient.
- 48. (Original) The apparatus of claim 39 further comprising a recoil spring removably connected to the chest compression device wherein the recoil spring lifts chest compression device during diastole.
- 49. (Original) An apparatus for assisting with the administration of CPR to a patient comprising:
 - (a) a chest plate to position the apparatus on the sternum;
 - (b) a manual chest compression device having a palm grip at a first end and a base at a second end wherein the base is capable of being connected with the chest plate;
 - (c) an electronic display module connected with the chest plate and the chest compression device to provide signals to a user.
- 50. (Original) The apparatus of claim 49 wherein the base of the manual chest compression device contains a pressure sensor providing a signal to the electronic display module providing feedback on applied force to the user.
- 51. (Original) The apparatus of claim 50 wherein the electronic display module contains a running light display connected with the pressure sensor to display an applied force from 20 to 100 pounds.

- 52. (Original) The apparatus of claim 50 wherein the pressure sensor is operably connected to a counter to count the number of compressions wherein the counter provides a signal to the user when a preset number of compressions is reached.
- Original) The apparatus of claim 49 wherein the base of the manual chest compression device contains a plurality of microswitches arrayed on the edges of the base and operably connected with the electronic display module so that compression activation of one or more switches provides a feedback signal to the user to indicate a tilt condition of the applied force.
- 54. (Original) The apparatus of claim 49 wherein the electronic display module contains a metronome providing a signal to the user to indicate proper timing of compressions.
- 55. (Original) The apparatus of claim 54 wherein the metronome is adjustable
- 56. (Original) The apparatus of claim 54 wherein the metronome is capable of providing 60, 80, or 100 signals per minute.
- 57. (Original) The apparatus of claim 49 wherein the signals provided to a user are audible.
- 58. (Original) The apparatus of claim 49 wherein the signals provided to a user are visual.
- 59. (Original) The apparatus of claim 49 wherein the electronic display module contains a data output to allow interface with a computer.
- 60. (Original) The apparatus of claim 49 wherein the electronic display module is positioned between the chest plate and the chest compression device.
- 61. (Original) The apparatus of claim 49 wherein the chest plate has an adhesive strip to attach the device to the sternum.
- 62. (Original) The apparatus of claim 49 wherein the manual chest compression device is stably connected with the chest plate via a socket integrated with the chest plate.
- 63. (Original) An apparatus for assisting with the administration of CPR to a patient comprising:
 - (a) a chest plate to position the apparatus on the sternum;
 - (b) an electronic display module to provide signals to a user located above and connected with the chest plate positioned so that the module is visible to a user during operation;

- (c) a manual chest compression device having a palm grip at a first end and a base at a second end wherein the base is capable of being connected with the electronic display module and the chest plate;
- (d) a pressure sensor connected with the base of the chest compression device and the electronic display module to provide a signal to the user indicating the applied force of compressions;
- (e) a plurality of microswitches arrayed on said base and operably connected with the electronic display module so that compression activation of one or more switches provides a feedback signal to the user to indicate a tilt condition of the applied force; and
- (f) a metronome to prompt the user with a proper compression rate.
- 64. (Original) The apparatus of claim 63 wherein the applied force is displayed as running light display indicating an applied force of 20 to 100 pounds.
- 65. (Original) The apparatus of claim 63 wherein the metronome provides 60, 80, or 100 signals per minute.
- 66. (Original) The apparatus of claim 63 wherein the signals are audible.
- 67. (Original) The apparatus of claim 63 wherein the signals are visible.
- 68. (Original) The apparatus of claim 63 wherein the electronic display module contains a data output to allow interface with a computer.